

Data File : VV011944.D
Acq On : 18 Jul 2019 19:32
Operator : SY/MD
Sample : K3823-08DL 200X
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A52K8DL

Quant Time: Jul 19 05:48:19 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR071719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jul 19 05:34:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	105263	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	101444	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	47259	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	30864	3.99	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.80%
7) Chloroethane-d5	1.58	69	26302	4.11	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.20%
11) 1,1-Dichloroethene-d2	2.13	63	51139	4.04	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.80%
20) 2-Butanone-d5	3.96	46	128461	65.79	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	131.58%#
24) Chloroform-d	4.40	84	97147	6.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	125.40%#
26) 1,2-Dichloroethane-d4	5.08	65	54583	6.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	137.20%#
32) Benzene-d6	5.10	84	189660	6.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	128.40%#
36) 1,2-Dichloropropane-d6	6.12	67	58267	6.44	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	128.80%
41) Toluene-d8	7.36	98	163442	6.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	121.40%
43) trans-1,3-Dichloropropene-	7.67	79	20376	6.09	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	121.80%
46) 2-Hexanone-d5	8.14	63	83076	61.67	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	123.34%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	35680	6.28	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	125.60%#
64) 1,2-Dichlorobenzene-d4	11.67	152	65602	6.95	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	139.00%#

Target Compounds

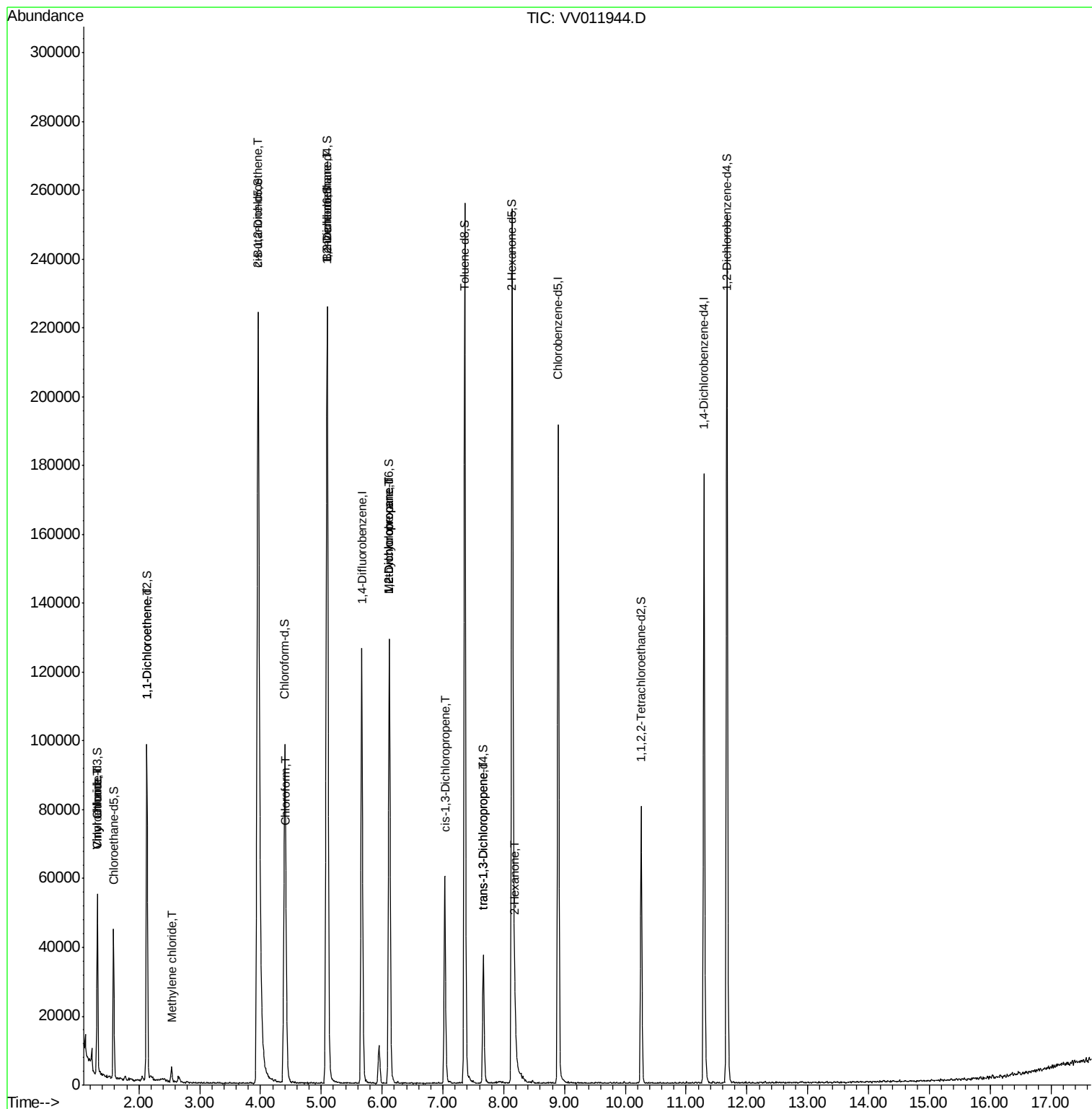
					Qvalue	
5) Vinyl chloride	1.32	62	834	0.083	ug/L #	14
8) Chloroethane	1.32	64	650	0.114	ug/L #	1
12) 1,1-Dichloroethene	2.13	96	726	0.129	ug/L #	1
16) Methylene chloride	2.53	84	1524	0.259	ug/L	93
22) cis-1,2-Dichloroethene	3.96	96	87297	10.750	ug/L	95
25) Chloroform	4.43	83	4790	0.299	ug/L	96
27) 1,2-Dichloroethane	5.10	62	1400	0.148	ug/L #	75
35) Methylcyclohexane	6.12	83	14512	1.084	ug/L #	16
37) 1,2-Dichloropropane	6.12	63	7413	0.957	ug/L #	87
39) cis-1,3-Dichloropropene	7.03	75	1561	0.147	ug/L #	64
44) trans-1,3-Dichloropropene	7.66	75	953	0.113	ug/L #	78
48) 2-Hexanone	8.19	43	8511	2.554	ug/L #	90

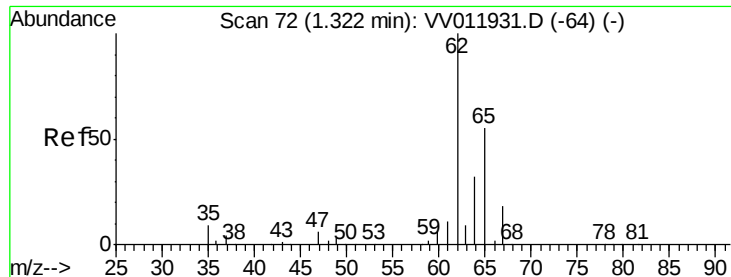
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.083 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV011944.D

Acq: 18 Jul 2019 19:32

Instrument :

MSVOA_V

ClientSampleId :

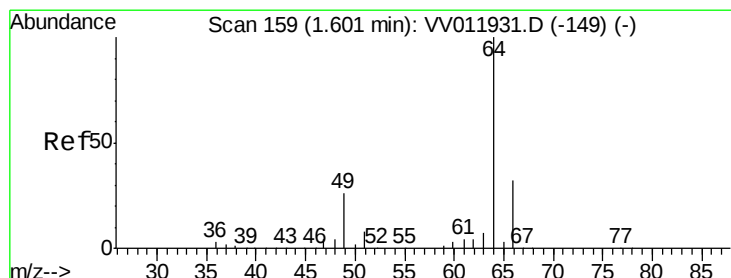
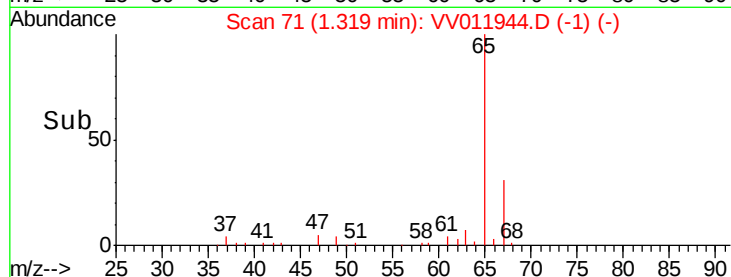
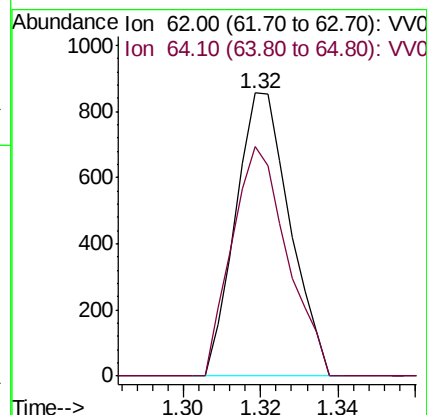
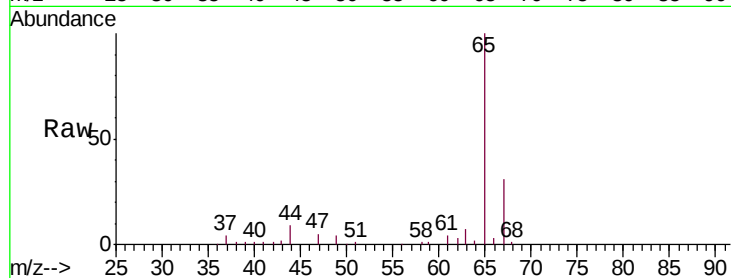
A52K8DL

Tgt Ion: 62 Resp: 834

Ion Ratio Lower Upper

62 100

64 81.3 22.9 42.5#



#8

Chloroethane

Concen: 0.114 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.28 min

Lab File: VV011944.D

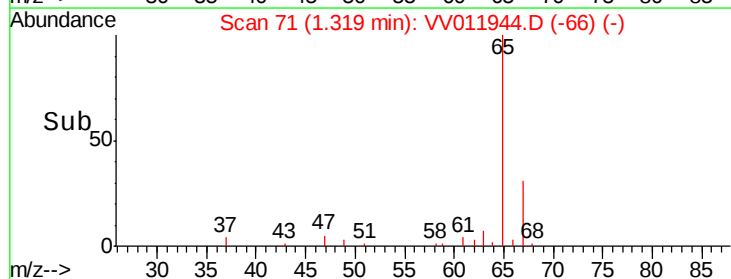
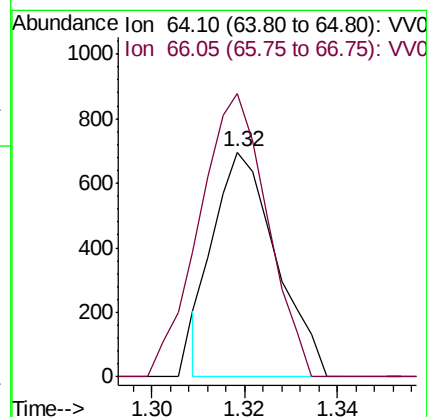
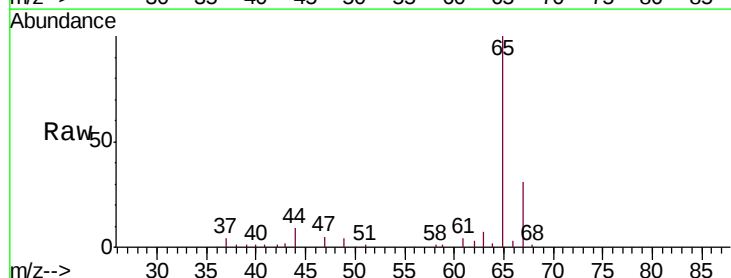
Acq: 18 Jul 2019 19:32

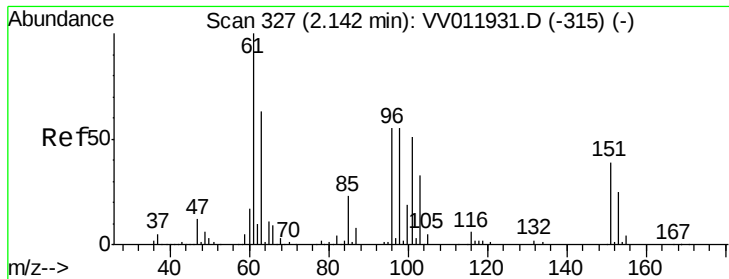
Tgt Ion: 64 Resp: 650

Ion Ratio Lower Upper

64 100

66 126.0 23.2 43.2#





#12

1,1-Dichloroethene

Concen: 0.129 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VV011944.D

Acq: 18 Jul 2019 19:32

Instrument :

MSVOA_V

ClientSampleId :

A52K8DL

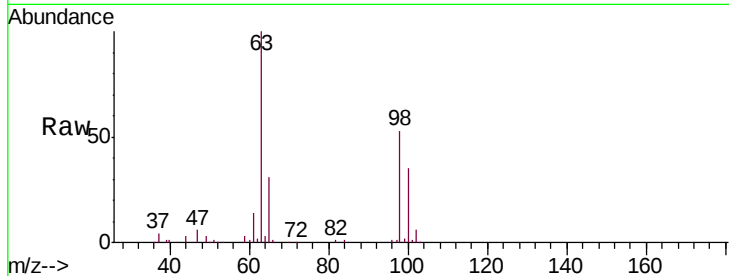
Tgt Ion: 96 Resp: 726

Ion Ratio Lower Upper

96 100

61 1104.3 128.9 239.3#

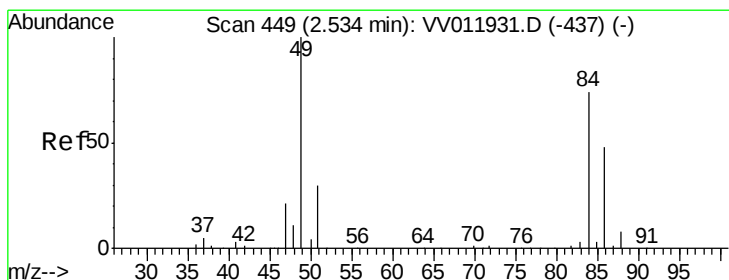
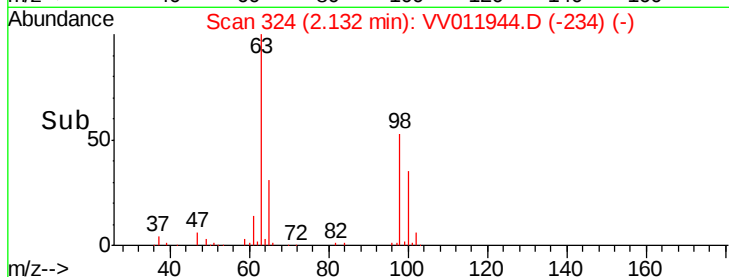
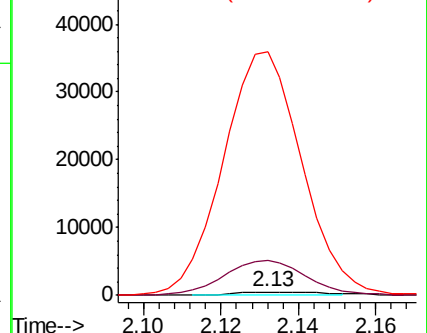
63 7810.4 85.5 158.9#



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0



#16

Methylene chloride

Concen: 0.259 ug/L

RT: 2.53 min Scan# 449

Delta R.T. 0.00 min

Lab File: VV011944.D

Acq: 18 Jul 2019 19:32

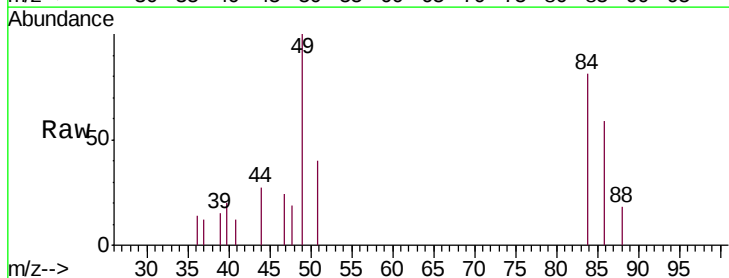
Tgt Ion: 84 Resp: 1524

Ion Ratio Lower Upper

84 100

86 73.4 44.8 83.2

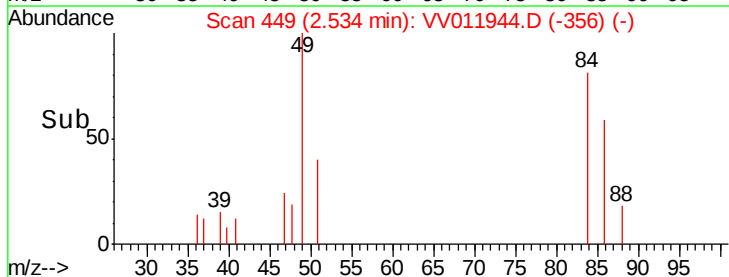
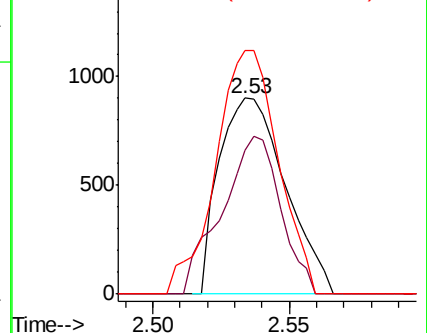
49 124.2 90.4 168.0

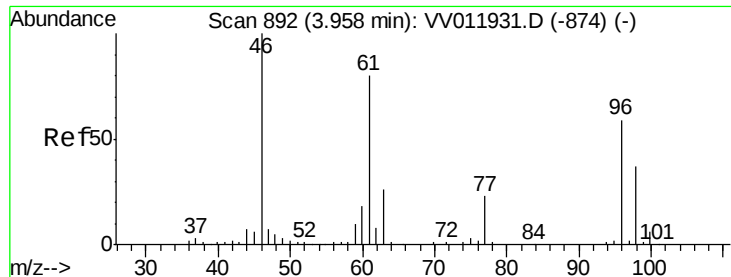


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0



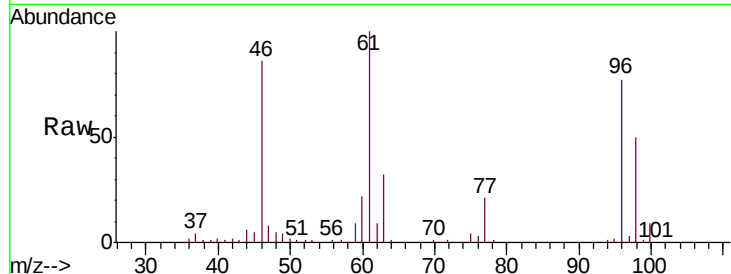


#22

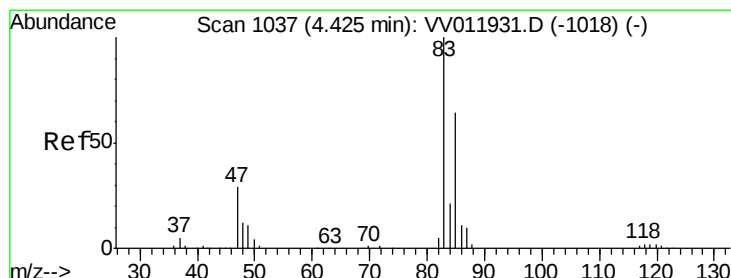
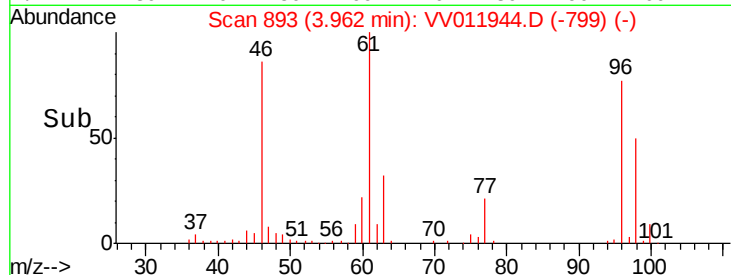
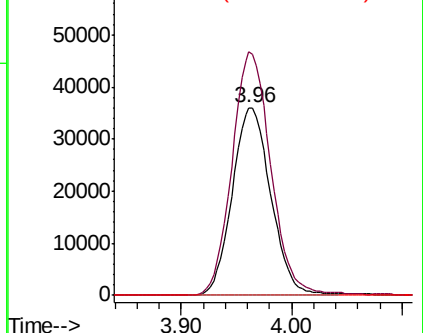
cis-1,2-Dichloroethene
 Concen: 10.750 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: VV011944.D
 Acq: 18 Jul 2019 19:32

Instrument :
 MSVOA_V
 ClientSampleId :
 A52K8DL

Tgt Ion: 96 Resp: 87297
 Ion Ratio Lower Upper
 96 100
 61 129.7 95.2 176.8
 68 0.0 0.0 0.0



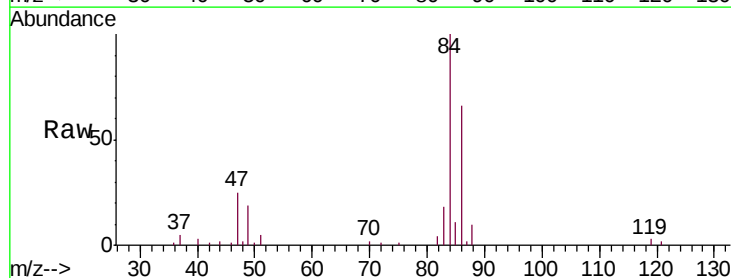
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



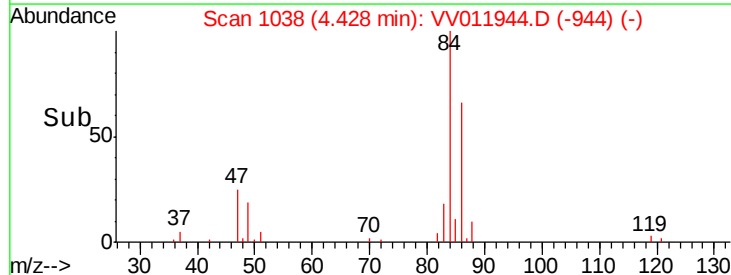
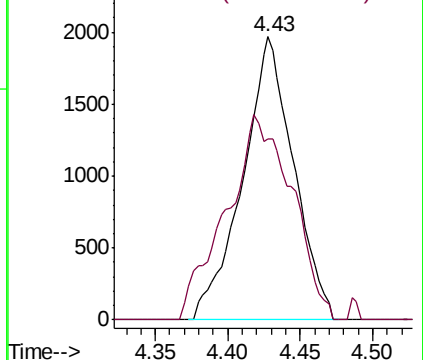
#25

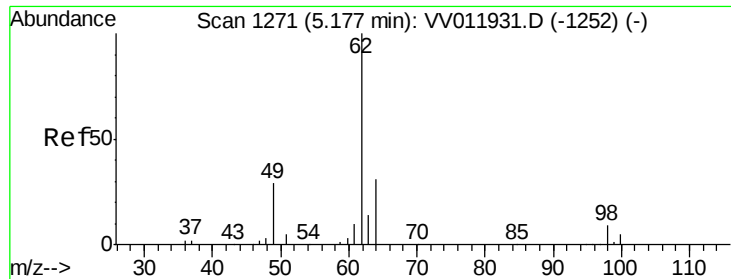
Chloroform
 Concen: 0.299 ug/L
 RT: 4.43 min Scan# 1038
 Delta R.T. 0.00 min
 Lab File: VV011944.D
 Acq: 18 Jul 2019 19:32

Tgt Ion: 83 Resp: 4790
 Ion Ratio Lower Upper
 83 100
 85 63.9 42.5 78.9



Abundance Ion 83.05 (82.75 to 83.75): VV0
 Ion 85.00 (84.70 to 85.70): VV0





#27

1,2-Dichloroethane

Concen: 0.148 ug/L

RT: 5.10 min Scan# 1246

Delta R.T. -0.08 min

Lab File: VV011944.D

Acq: 18 Jul 2019 19:32

Instrument :

MSVOA_V

ClientSampleId :

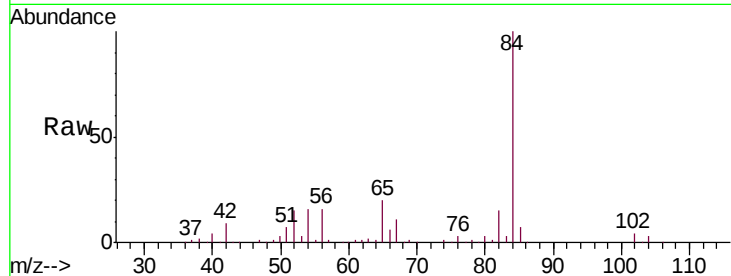
A52K8DL

Tgt Ion: 62 Resp: 1400

Ion Ratio Lower Upper

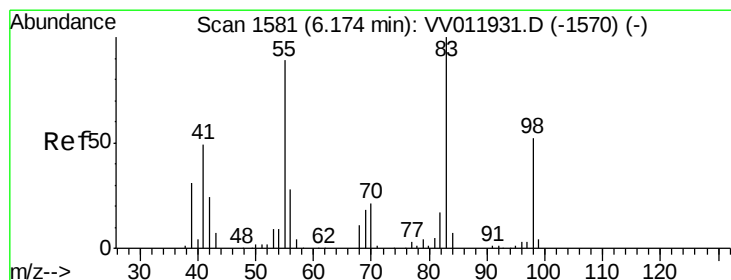
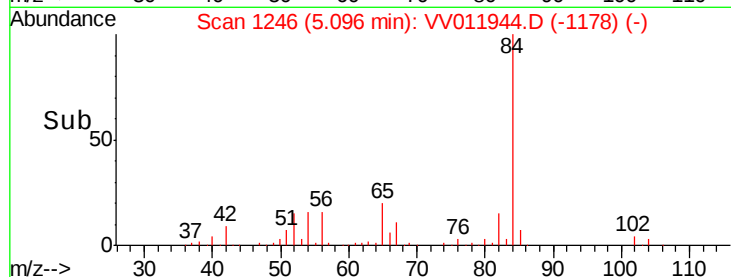
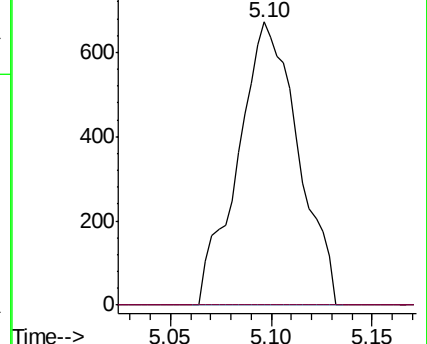
62 100

98 0.0 7.2 10.8#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.05 (97.75 to 98.75): VV0



#35

Methylcyclohexane

Concen: 1.084 ug/L

RT: 6.12 min Scan# 1564

Delta R.T. -0.05 min

Lab File: VV011944.D

Acq: 18 Jul 2019 19:32

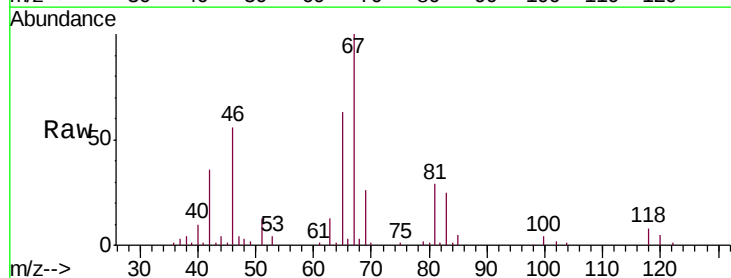
Tgt Ion: 83 Resp: 14512

Ion Ratio Lower Upper

83 100

55 0.0 66.7 100.1#

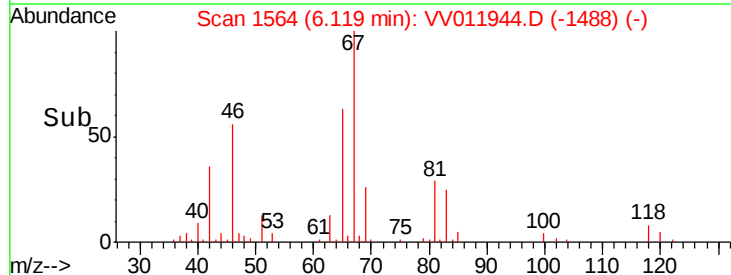
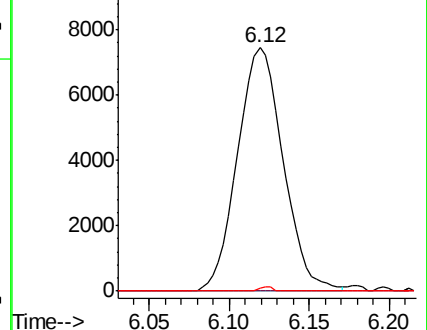
98 0.5 39.0 58.4#

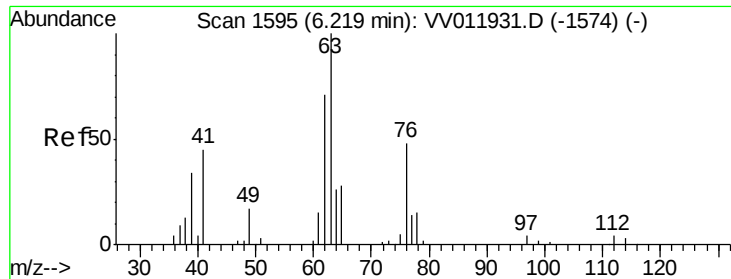


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

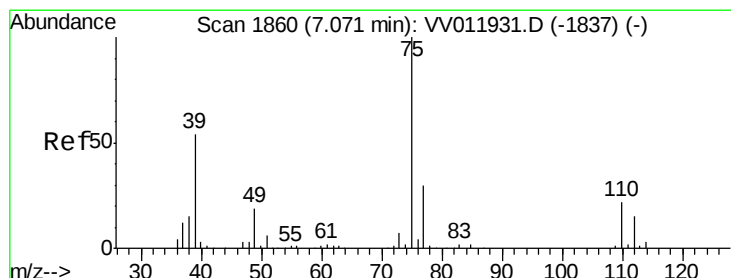
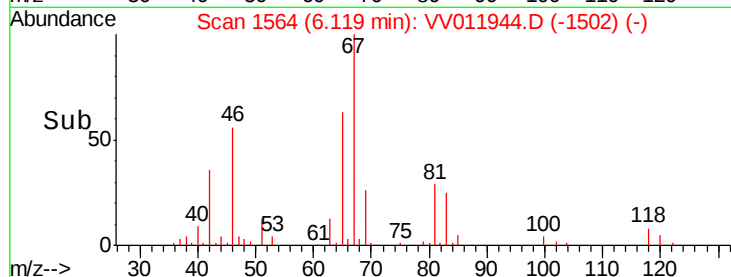
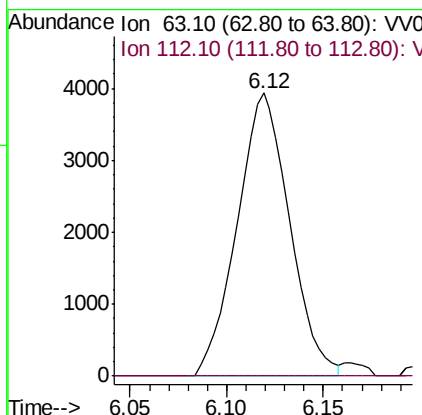
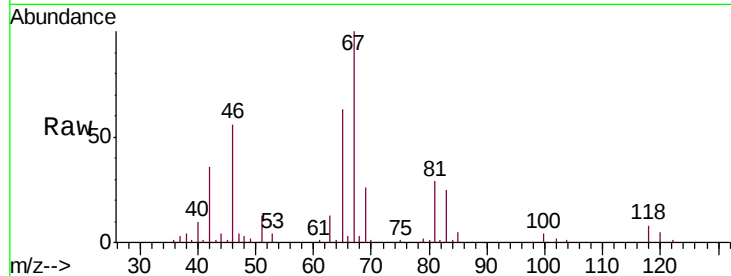




#37
 1,2-Dichloropropane
 Concen: 0.957 ug/L
 RT: 6.12 min Scan# 1564
 Delta R.T. -0.10 min
 Lab File: VV011944.D
 Acq: 18 Jul 2019 19:32

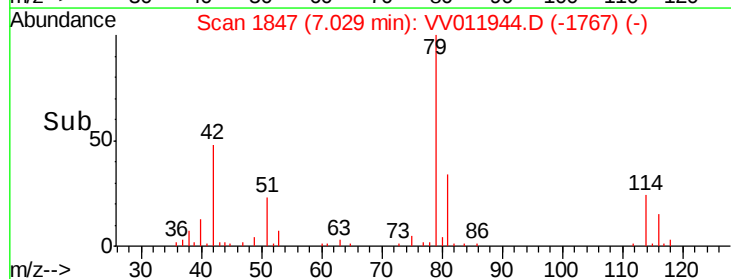
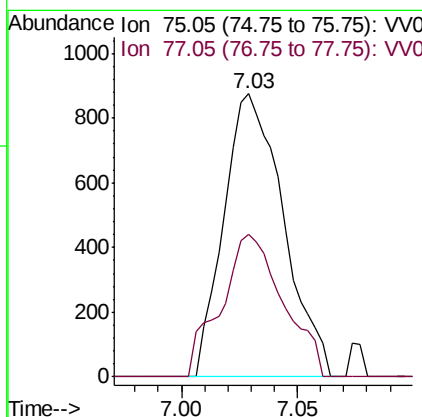
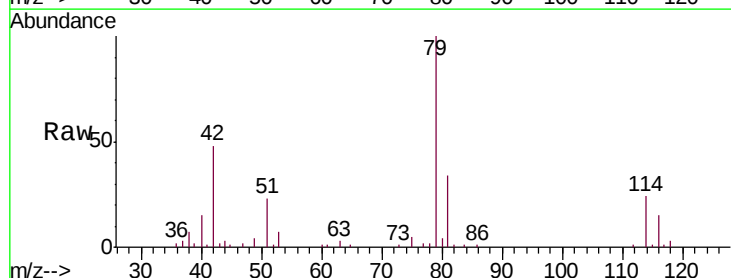
Instrument :
 MSVOA_V
 ClientSampleId :
 A52K8DL

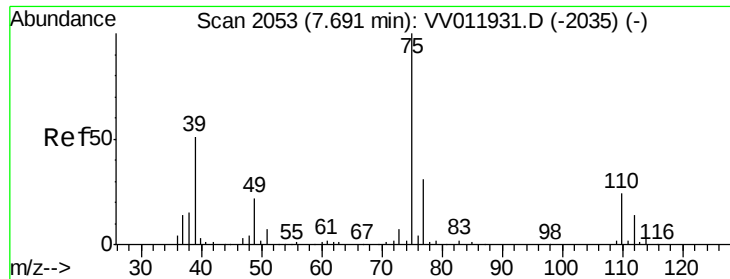
Tgt Ion: 63 Resp: 7413
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.4 5.2#



#39
 cis-1,3-Dichloropropene
 Concen: 0.147 ug/L
 RT: 7.03 min Scan# 1847
 Delta R.T. -0.04 min
 Lab File: VV011944.D
 Acq: 18 Jul 2019 19:32

Tgt Ion: 75 Resp: 1561
 Ion Ratio Lower Upper
 75 100
 77 50.5 21.6 40.2#

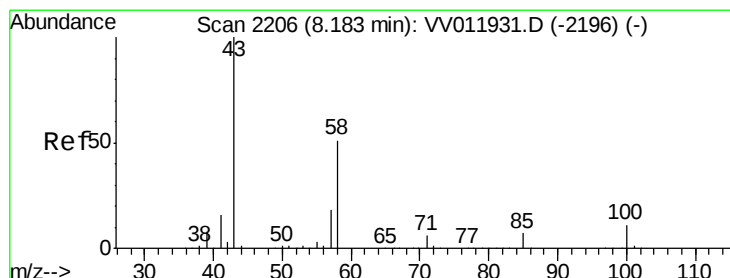
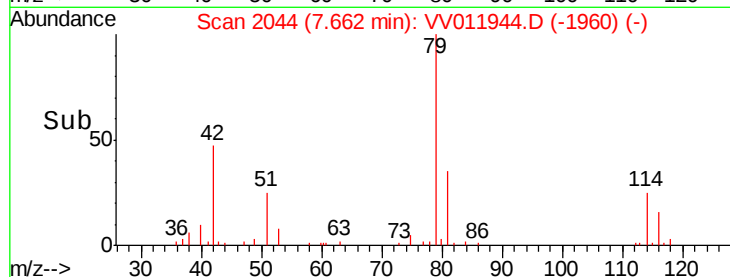
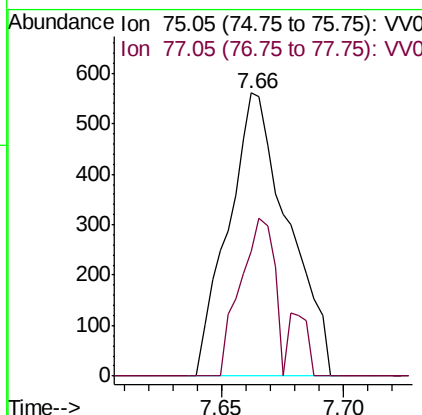
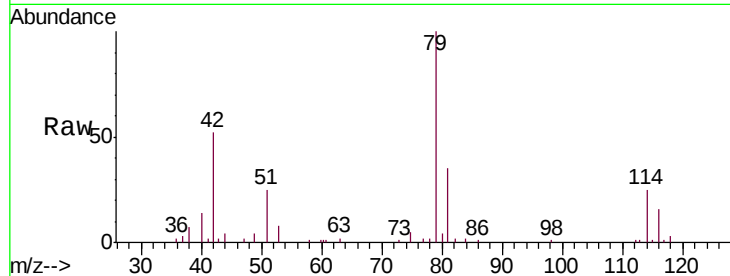




#44
trans-1,3-Dichloropropene
Concen: 0.113 ug/L
RT: 7.66 min Scan# 2044
Delta R.T. -0.03 min
Lab File: VV011944.D
Acq: 18 Jul 2019 19:32

Instrument :
MSVOA_V
ClientSampleId :
A52K8DL

Tgt Ion: 75 Resp: 953
Ion Ratio Lower Upper
75 100
77 44.2 22.3 41.3#



#48
2-Hexanone
Concen: 2.554 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV011944.D
Acq: 18 Jul 2019 19:32

Tgt Ion: 43 Resp: 8511
Ion Ratio Lower Upper
43 100
58 42.6 41.1 61.7
57 19.9 14.3 21.5
100 8.3 8.7 13.1#

